INS				-6R-MECH-21-HERS	
	ct Leakage Test – Existing Duct System	E-f		(Page 1 of 2)	
Site	Address:	Enforcement Agency:	Permit Numbe	er:	
 Ente	er the Duct System Name or Identification/Tag:				
Ente	er the Duct System Location or Area Served:				
Not	e: Submit one Installation Certificate for each duct syste	m that must demonstrate com	pliance in the dw	elling.	
	s installation certificate is required for compliance for all ditioning systems and duct systems.	terations and additions in exis	sting dwellings to	space	
duci com	e: For existing dwellings, a completely new or replacement system (e.g., register boots, air handler, coil, plenums, expletely new or replacement duct system installed in an explace Test – Completely New or Replacement Duct System	etc.) if those parts are accessions in the control of the control	ble and they can b	pe sealed. For a	
	et Leakage Diagnostic Test – Existing Duct System				
	ect one compliance method from the following four choice option 1. Measured leakage less than 15% of Fan Airflow				
	Option 2. Measured leakage to outside less than 10% of F	an Airflow.			
	Option 3. Reduce leakage by 60% or more, and conduct s	moke test to seal all accessibl	e leaks.		
	Option 4. Fix all accessible leaks using smoke test, and H	ERS rater must verify.			
Not	e: (One of Options 1, 2 or 3 must be attempted before uti	lizing Option 4.)			
Det	ermine nominal Fan Airflow using one of the following	three calculation methods.			
	Cooling system method: Size of condenser in Tons	x 400 =CF	M		
	Heating system method: 21.7 x Heating Ou		CFM		
	Measured system airflow using RA3.3 airflow test proced	lures:CFM		T	
	Option 1 used then: Allowed leakage = Fan Airflow	x 0.15 =	CFM		
1	Actual leakage =CFM	X 0.13 -	CITIVI		
	Pass if Actual leakage is less than Allowed leakage				
2	Option 2 used then:	0.10	CEN 4		
	Allowed leakage = Fan Airflow Actual leakage to outside =CFM	x 0.10 =	CFM		
	Pass if Actual leakage to outside is less than Allowed leakage				
	Option 3 used then:			☐ Pass ☐ Fail	
3	Initial leakage prior to start of work=C				
	Final leakage after sealing all accessible leaks using sm	<u></u>			
	Initial leakage Final leakage				
	(Leakage reduction / Initial leakage		etion $\geq 60\%$	☐ Pass ☐ Fail	
	Option 4 used then: All accessible leaks repaired using smoke test. HERS			ass a ran	
	All accessible leaks repaired using smoke test. HERS rater must verify (No sampling). Pass if all accessible leaks have been sealed using Smoke Test				
4	Dogg if all according	le leaks have been seeled us	ing Smoke Test	☐ Pass ☐ Fail	

INSTALLATION CERTIFICAT	CF-6R-MECH-21-HERS						
Duct Leakage Test – Existing Duct System (Page 2							
Site Address:		Enforcement Agency:	Permit Number:				
□ Outside air (OA) ducts for Central Fan Integrated (CFI) ventilation systems, shall not be sealed/taped off during duct leakage testing. CFI OA ducts that utilize controlled motorized dampers, that open only when OA ventilation is required to meet ASHRAE Standard 62.2, and close when OA ventilation is not required, may be configured to the closed position during duct leakage testing.							
☐ All supply and return register boots must be sealed to the drywall if smoke test is utilized for compliance – applies to duct leakage compliance option 3 (leakage reduction by 60%) and option 4 (fix all accessible leaks) described above.							
☐ New duct installations cannot utiliz	ze building cavities as ple	enums or platform returns in l	eu of ducts.				
☐ Mastic and draw bands must be used in combination with cloth backed rubber adhesive duct tape to seal leaks at all new duct connections.							
DECLARATION STATEMENT I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for construction, or an authorized representative of the person responsible for construction (responsible person).							
I certify that the installed features, materials, components, or manufactured devices identified on this certificate (the installation) conforms to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcement agency.							
 I understand that a HERS rater will check the installation to verify compliance, and that that if such checking identifies defects, I am required to take corrective action at my expense. I understand that Energy Commission and HERS provider representatives will also perform quality assurance checking of installations, including those approved as part of a sample group but not checked by a HERS rater, and if those installations fail to meet the requirements of such quality assurance checking, the required corrective action and additional checking/testing of other installations in that HERS sample group will be performed at my expense. I reviewed a copy of the Certificate of Compliance (CF-1R) form approved by the enforcement agency that identifies the specific requirements for the installation. I certify that the requirements detailed on the CF-1R that apply to the installation have been met. 							
• I will ensure that a completed, signed copy of this Installation Certificate shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a signed copy of this Installation Certificate is required to be included with the documentation the builder provides to the building owner at occupancy. I will ensure that all Installation Certificates will come from a HERS provider data registry for multiple orientation alternatives, and beginning October 1, 2010, for all low-rise residential buildings.							
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)							
Responsible Person's Name:		Responsible Person's Signature:					
CSLB License:	Date Signed:	Position With Company (Title):					
Is this installation monitored by a Third Pa Program (TPQCP)?	rty Quality Control ☐Yes ☐No	Name of TPQCP (if applicable):					

_____Registration Date/Time: ______HERS Provider: _